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Marcy firm awarded Sensors Directorate contract

by Fran Crumb, Information Directorate

ROME, N.Y. — The Air Force Research Laboratory has awarded a \$249,282 contract to Stiefvater Consultants of Marcy — an 18-month agreement titled “Development of Signal Processing Algorithms for Space-Based Radars.”

“The objective of this effort is to develop advanced signal processing algorithms for the suppression of clutter and the detection of ground moving targets in Space-Based Radars (SBR),” said Braham Himed, program manager in the Sensors Directorate at AFRL’s Rome Research Site. “In particular, Wideband Space-Time Adaptive Processing algorithms and Imaging-Moving Target Indication algorithms for Ground Moving Target Indication using space-based assets will be developed.”

“Historically, GMTI has been accomplished using manned airborne platforms, such as the Joint Surveillance Target Attack Radar System,” Himed said. “Recently, there has been a growing interest in augmenting these airborne assets with a space-based capability. Such a system would be capable of providing both wide-area (theatre) surveillance and tracking of airborne and ground moving targets.”

The SBR capability is particularly attractive because it provides deep coverage into areas typically denied airborne assets; greater ease and flexibility for deploying the sensor platform on station and meeting coverage tasking; greater area coverage rate performance; and a steep look-down capability for Foliage Penetration operation. @